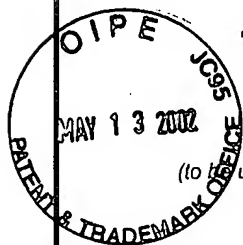


Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (08-00)  
Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

CA41/2661  
#2  
M8  
6-19-02



# TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Application Number	10/071,980
Filing Date	February 6, 2002
First Named Inventor	Andrew L. Norrell
Group Art Unit	2661
Examiner Name	Unknown
Attorney Docket Number	PA1634US

Total Number of Pages in This Submission

9

RECEIVED  
MAY 17 2002  
Technology Center 2600

## ENCLOSURES (check all that apply)

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment / Reply
- ☐ After Final
- ☐ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☒ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

- ☐ Assignment Papers (for an Application)
- ☐ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) \_\_\_\_\_

- ☐ After Allowance Communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
- ☐ Proprietary Information
- ☐ Status Letter
- ☒ Other Enclosure(s) (please identify below):  
Postcard, 30 References, PTO/SB/08 (in duplicate)

Remarks

Total page number does not include postcard and references.

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm  
or  
Individual name

Carr & Ferrell, LLP Cust. No. 22830

Signature

Wendi R. Schepler

Date

5/3/2002

## CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, Washington, DC 20231 on this date: May 3, 2002

Typed or printed name

Wendi R. Schepler, Reg. No. 43,091

Signature

Wendi R. Schepler

Date

5/3/2002

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



IN THE

UNITED STATES PATENT AND TRADEMARK OFFICE

**RECEIVED**  
MAY 17 2002  
Technology Center 2600

APPLICANTS: Andrew L. Norrell et al.  
SERIAL NO.: 10/071,980  
FILED: February 6, 2002  
TITLE: Line Powered Loop Extender with Communications,  
Control, and Diagnostics  
EXAMINER: Unknown  
GROUP ART UNIT: 2661  
ATTY.DKT.NO.: PA1634US

---

COMMISSIONER FOR PATENTS  
WASHINGTON, D.C. 20231

**INFORMATION DISCLOSURE STATEMENT**  
Under 37 C.F.R. §§ 1.56, and 1.97-1.98

SIR:

Pursuant to the provisions of 37 C.F.R. §§ 1.56 and 1.97-98 of the Rules of Practice in Patent Cases, enclosed herewith is form PTO-SB-08, listing thirty (30) references, copies of which are enclosed. The Examiner is requested to make these references of official record in the application. The references cited may be material to examination of the application and are submitted in compliance with Applicants' duty of disclosure as defined by 37 C.F.R. § 1.56.

No representation is made or intended as to the completeness of this list, nor is the inclusion of any reference on this list an admission that it is prior art or pertinent to this application.



Respectfully submitted,

Andrew L. Norrell et al.

RECEIVED  
MAY 17 2002  
Technology Center 2600

Dated: May 3, 2002

By: Wendi R. Schepler  
Wendi R. Schepler, Reg. No. 43,091  
Carr & Ferrell LLP  
2225 East Bayshore Road, Suite 200  
Palo Alto, CA 94303  
TEL: (650) 812-3400  
FAX: (650) 812-3444

#### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231, on the date printed below:

Dated: May 3, 2002

By: Wendi R. Schepler  
Wendi R. Schepler

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet

1

of

3

**Complete if Known**

Application Number	10/071,980
--------------------	------------

Filing Date	February 6, 2002
-------------	------------------

First Named Inventor	Andrew L. Norrell
----------------------	-------------------

Group Art Unit	2661
----------------	------

Examiner Name	Unknown
---------------	---------

Attorney Docket Number | PA1634US

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		1,711,653		Quarles, D. A.	05-07-1929	
		3,180,938		Glomb	04-27-1965	
		3,476,883		Birck, M. J.	11-04-1969	
		3,548,120		Tarassoff	12-15-1970	
		3,873,936		Cho	03-25-1975	
		3,944,723		Fong	03-16-1976	
		3,962,549		Zuk	06-08-1976	
		4,025,737		Brewer	05-24-1977	
		4,131,859		Valle	12-26-1978	
		4,242,542		Kimbrough	12-30-1980	
		4,392,225		Wortman	07-05-1983	
		4,462,105		Wagner et al.	07-24-1984	
		4,583,220		Blackburn et al.	04-15-1986	
		4,633,459		Blackburn	12-30-1986	
		4,656,628		Tan	04-07-1987	
		4,667,319		Chum	05-19-1987	
		4,766,606		Bardutz et al.	08-23-1988	
		5,095,528		Leslie et al.	03-10-1992	
		5,181,198		Lechleider	01-19-1993	
		5,394,401		Patrick et al.	02-28-1995	

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet	2	of	3
-------	---	----	---

**Complete if Known**

<b>Application Number</b>	10/071,980
<b>Filing Date</b>	February 6, 2002
<b>First Named Inventor</b>	Andrew L. Norrell
Group Art Unit	2661
<b>Examiner Name</b>	Unknown
<b>Attorney Docket Number</b>	PA1634US

02  
rell

RECEIVED  
MAY 17 2002  
Technology Center 2800

ges, Columns, Lines,  
Where Relevant  
ssages or Relevant  
Figures Appear

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449B/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet 3 of 3

**Complete if Known**

Application Number	10/071.980
--------------------	------------

Filing Date	February 6, 2002
-------------	------------------

First Named Inventor	Andrew L. Norrell
----------------------	-------------------

Group Art Unit'	2661
-----------------	------

Examiner Name	Unknown
---------------	---------

Attorney Docket Number	PA1634US
------------------------	----------

## OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner  
Initials\*Cite  
No.<sup>1</sup>

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.

Reference Data for Radio Engineers, Federal Telephone and Radio Company, August 1944, p. 111.

Baker, Todd, The Challenges of Implementing, October 1998, Tektronix, p. 2.

Vittore, Vince, Making DSL go for the Long Run, Telephony Magazine, December 11, 2000, paragraph 11.

Examiner  
Signature

Date  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**